



WATER MANAGEMENT MONTHLY REPORT

Information Exchange Bulletin

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RESERVOIR OPERATION AND SYSTEM STATUS FOR APRIL 2001

HIGHLIGHTS – Cairo stage began the month at 30.0 feet and ended at 30.4 feet. Normal stage for April is 37 feet. The stage at Cairo crested at 37.2 feet on April 18th and was falling slowly at end of month, held up by flows from the flooded upper Mississippi River.

WEATHER –The weather during April was warm and dry. Unlike the weather during March, April was very warm; however, it continued the well below normal precipitation trend. Driest areas of the basin continued to be in the eastern states, North Carolina, Virginia, West Virginia and spread across Kentucky. Ohio and Pennsylvania were the only states with patchy above normal precipitation. Temperatures were well above normal averaging 4-6 degrees above normal.

TEMPERATURE AND PRECIPITATION – APRIL 2001

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	54.3	+4.4	3.75	+0.60
Charleston, WV	59.1	+4.3	1.30	-2.01
Columbus, OH	56.8	+5.8	3.39	+0.18
Cincinnati, OH	57.8	+4.6	1.46	-2.29
Louisville, KY	62.3	+6.0	1.04	-3.19
Indianapolis, IN	58.5	+6.1	1.83	-1.87
Evansville, IN	61.5	+5.0	1.60	-2.42

Nashville, TN	63.7	+4.5	2.42	-1.95
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STREAMFLOW -- Ohio River monthly average flows for April ranged from a low of 50 percent of normal at Paducah, KY to a high of 92 percent of normal at Pittsburgh, PA. Daily flows ranged from a low of 30 percent of normal at Evansville, IN to a high of 169 percent of normal at Pittsburgh, PA.

The following table presents the flow data summary for April at the Ohio River Index Stations:

FLOW DATA – APRIL2001

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
			HIGH	LOW
Pittsburgh, PA	53,300	92	169	42
Huntington, WV	108,500	79	146	37
Cincinnati, OH	127,400	71	135	36
Louisville, KY	144,000	69	120	35
Evansville, IN	156,400	64	103	30
Paducah, KY	232,500	50	84	35

RESERVOIRS -- April started with 3.3% utilization of the total system flood control storage and ended the month at 1.0%. System-wide augmentation storage decreased from 94.6% at the beginning of the month to 91.9% by the end of the month. Significant flood storage utilization in excess of 25% occurred only at Senecaville reservoir in the Muskingum River basin.

The following table depicts storage change by tributary reservoir subsystem for April:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	+227,500
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+167,400

Twelvepole-Big Sandy-Little Sandy- Scioto	+87,000
Little Miami-Licking-Mill Creek-Great Miami	+61,900
Kentucky-Salt-Green-Wabash	+227,700
Cumberland	+206,000
TOTAL	+977,500

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